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Form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	10/781,234
Filing Date	February 18, 2004
First Named Inventor	John Gascoyne
Group Art Unit	Not assigned
Examiner Name	Not assigned
Attorney Docket Number	12506US06

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
Dwy	A1	3,282,875	11/1966	Connolly et al.	
	A2	3,341,366	03/1967	Hodgdon, Jr. et al.	
	A3	4,329,435	05/1982	Kimoto et al.	
	A4	4,330,654	05/1982	Ezzell et al.	
	A5	4,358,545	11/1982	Ezzell et al.	
	A6	4,417,969	11/1983	Ezzell et al.	
	A7	4,433,082	02/1984	Grot	
	A8	4,610,762	09/1986	Birdwell	
	A9	4,738,872	04/1988	Lee et al.	
	A10	4,834,847	05/1989	McIntyre	
	A11	4,908,198	03/1990	Weinberg	
	A12	4,940,525	07/1990	Ezzell et al.	
	A13	5,094,995	03/1992	Butt et al.	
	A14	5,438,082	08/1995	Helmer-Metzmann et al.	
	A15	5,468,574	11/1995	Ehrenberg et al.	
	A16	5,595,676	01/1997	Barnes et al.	
	A17	5,599,639	02/1997	Sansone et al.	
	A18	5,766,787	06/1998	Watanabe et al.	
	A19	5,846,670	12/1998	Watanabe et al.	
	A20	5,945,231	08/1999	Narayanan et al.	
	A21	6,010,798	01/2000	Hammerschmidt et al.	
	A22	6,045,772	04/2000	Szydlowski et al.	
	A23	6,074,774	06/2000	Wilkinson et al.	
	A24	6,103,077	08/2000	DeMarinis et al.	
	A25	6,167,721	01/2001	Tsenter	
	A26	6,287,717	09/2001	Cavalcae et al.	
	A27	6,326,098	12/2001	Itoh et al.	
	A28	6,368,476	04/2002	DeMarinis et al.	
	A29	6,410,180	06/2002	Cisar et al.	
	A30	6,517,962	02/2003	Knights et al.	

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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)					
Dwy	A31	WO 94/16002		07/1994	ALLIEDSIGNAL INC.		
	A32	WO 95/08581		03/1995	BALLARD		
	A33	WO 97/25369		07/1997	BALLARD		
	A34	WO 98/39809		09/1998	MAGNET-MOTOR		
	A35	WO 00/55933		09/2000	JOHNSON MATTHEY		
	A36	WO 01/15247		03/2001	BALLARD		
	A37	WO 01/15249		03/2001	BALLARD		
	A38	WO 01/15254		03/2001	BALLARD		
	A39	WO 01/15255		03/2001	BALLARD		
	A40	EP 0 312 754		04/1989	Uhde GmbH		
	A41	EP 0 312 757		04/1989	Uhde GmbH		
	A42	EP 0 345 964		12/1989	IMPERIAL CHEMICAL INDUSTRIES		
	A43	EP 0 473 870		03/1992	Uhde GmbH		
	A44	EP 0 569 062		11/1993	GENERAL MOTORS CORP.		
	A45	EP 0 574 791		12/1993	HOECHST AKTIENGESELLSCHAFT		
	A46	EP 0 331 321		10/1994	IMPERIAL CHEMICAL INDUSTRIES		
	A47	EP 0 443 230		08/1994	ATRAVERDA LIMITED		
	A48	EP 0 731 520		09/1996	JOHNSON MATTHEY		
	A49	EP 0 716 463		06/1996	TOYOTA JIDOSHA KABUSHIKI KAISHA		
	A50	EP 0 791 974		01/2000	JOHNSON MATTHEY		
	A51	EP 0 872 906		10/2000	DE NORA ELETTRODI S.P.A.		
Dwy	A52	EP 1 045 467		10/2000	GENERAL MOTORS CORP		

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		Country Code ² -Number ⁴ -Kind Code ⁵ (if known)					
Only	A53	GB 2 217 627		11/1989	UHDE GmbH		
	A54	GB 2 309 230		07/1997	Atraverda Limited		
	A55	DE 197 09 199		09/1998	Magnet-Motor		
	A56	JP 6-196173		07/1994	MITSUBISHI ELECTRIC CORP.		
	A57	JP 06-219706		08/1994			
Only	A58	JP 11-67224		03/1999	ASAHI CHEM IND CO LTD		

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
Only	A59	SAVADOGO: "New Materials for Water Electrolysis and Photoelectrolysis," <i>Hydrogen Energy world Conference</i> , pp. 2065-2092, 1996
Only	A60	"Regenerative Fuel Cell subsystems," <i>Electrochemistry Course 869 at Simon Fraser University</i> , pp. 1-12, November 1996
Only	A61	CAMERON et al.: "Carbons As Supports For Precious Metal Catalysts," <i>Catalysis Today</i> , 7, pp. 113-137

EXAMINER <i>D. H. Miller</i>	DATE CONSIDERED <i>5/10/07</i>
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